

WHAT IS CLAIMED IS:

1. A printing method in which a print request is transferred from a first information processing apparatus to a second information processing  
5 apparatus, and document data for printing is generated in accordance with the print request by a generating program provided in an image generating apparatus, and then the generated document data is transferred from the second information processing  
10 apparatus to the first information processing apparatus so that the document data is printed out, the method comprising:

a registering step of registering a type of input data or a type of output data processable by  
15 the generating program provided in the image generating apparatus in the second information processing apparatus;

a specifying step of specifying a type of input data necessary to generate the document data and a  
20 type which the document data is generated in, in accordance with the print request;

a selecting step of selecting a generating program for generating the document data by comparing the specified type to the registered type; and

25 a transferring step of transferring a generating request for generating the document data to the image generating apparatus having the selected

generating program.

2. The printing method according to claim 1,  
wherein the registering step includes registering an  
5 address of the image generating apparatus having the  
generating program in the second information  
processing apparatus, and the transferring step  
includes specifying an address of the image  
generating apparatus having the selected generating  
10 program and transferring the generating request to  
the specified address.

3. The printing method according to claim 1,  
wherein the selecting step includes extracting a  
15 plurality of generating programs corresponding to the  
specified type and selecting the generating program  
of lower number of processings among the extracted  
generating programs.

20 4. The printing method according to claim 1,  
further comprising:

a generating step of, by the generating program,  
generating the document data in accordance with the  
generating request; and

25 a data transferring step of transferring the  
generated document data from the image generating  
apparatus to the first information processing

apparatus via the second information processing apparatus.

- 5        5.        The printing method according to claim 1,  
         wherein the generating program generates the document  
         data representing a chit by synthesizing template  
         data and data described in the chit, and the  
         specifying step includes specifying a type of the  
         template data or the data described in the chit.
- 10       6.        The printing method according to claim 1,  
         wherein, in response to a pressing operation of a  
         print button in a screen displayed on a web browser,  
         the print request is transferred from the web browser  
15       to the second information processing apparatus, and  
         the generated document data is transferred from the  
         second information processing apparatus to the web  
         browser.
- 20       7.        A printing system in which a print request is  
         transferred from a first information processing  
         apparatus to a second information processing  
         apparatus, and document data for printing is  
         generated in accordance with the print request by a  
25       generating program provided in an image generating  
         apparatus, and then the generated document data is  
         transferred from the second information processing

apparatus to the first information processing  
apparatus so that the document data is printed out,  
the system comprising:

registration means for registering a type of  
5 input data or a type of output data processable by  
the generating program provided in the image  
generating apparatus in the second information  
processing apparatus;

specifying means for specifying a type of input  
10 data necessary to generate the document data and a  
type which the document data is generated in, in  
accordance with the print request;

selection means for selecting a generating  
program for generating the document data by comparing  
15 the specified type to the registered type; and

transfer means for transferring a generating  
request for generating the document data to the image  
generating apparatus having the selected generating  
program.

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8. The printing system according to claim 7,  
wherein the registration means registers an address  
of the image generating apparatus having the  
generating program in the second information  
25 processing apparatus, and the transfer means  
specifies an address of the image generating  
apparatus having the selected generating program and

transfers the generating request to the specified address.

9. The printing system according to claim 7,  
5 wherein the selection means extracts a plurality of generating programs corresponding to the specified type and selects the generating program of lower number of processings among the extracted generating programs.

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10. The printing system according to claim 7, further comprising:

generation means for, by the generating program, generating the document data in accordance with the  
15 generating request; and

data transfer means for transferring the generated document data from the image generating apparatus to the first information processing apparatus via the second information processing  
20 apparatus.

11. The printing system according to claim 7, wherein the generating program generates the document data representing a chit by synthesizing template  
25 data and data described in the chit, and the specifying means specifies a type of the template data or the data described in the chit.

12. The printing system according to claim 7,  
wherein, in response to a pressing operation of a  
print button in a screen displayed on a web browser,  
the print request is transferred from the web browser  
5 to the second information processing apparatus, and  
the generated document data is transferred from the  
second information processing apparatus to the web  
browser.

10 13. An information processing apparatus prompting a  
generating program provided in an image generating  
apparatus to generate document data for printing in  
accordance with a print request from an external  
information processing apparatus and thereafter  
15 transferring the generated document data to the  
external information processing apparatus,  
comprising:

registration means for registering a type of  
input data or a type of output data processable by  
20 the generating program provided in the image  
generating apparatus;

specifying means for specifying a type of input  
data necessary to generate the document data and a  
type which the document data is generated in, in  
25 accordance with the print request;

selection means for selecting a generating  
program for generating the document data by comparing

the specified type to the registered type; and

transfer means for transferring a generating  
request for generating the document data to the image  
generating apparatus having the selected generating  
5 program.

14. A control program to be stored in a storage  
medium for controlling an information processing  
apparatus prompting a generating program provided in  
10 an image generating apparatus to generate document  
data for printing in accordance with a print request  
from an external information processing apparatus and  
thereafter transferring the generated document data  
to the external information processing apparatus,  
15 wherein the program makes a computer execute the  
steps of:

registering a type of input data or a type of  
output data processable by the generating program  
provided in the image generating apparatus;

20 specifying a type of input data necessary to  
generate the document data and a type which the  
document data is generated in, in accordance with the  
print request;

selecting a generating program for generating  
25 the document data by comparing the specified type to  
the registered type; and

transferring a generating request for

generating the document data to the image generating apparatus having the selected generating program.